

- Graph the following on a number line.
 - $\{x/x > 4, x \in W\}$
 - $\{x/x \leq 5, x \in N\}$
 - $\{x/x \leq 3, x \in R\}$
 - $\{x/x > 2, x \in R\}$
 - Write the set notation for the domain and range for the following:
 - $(1,3); (4,3); (2,4); (2,2); (4,1)$
 - the graph found on page 100 question 13 c
 - Page 152 number 2 a & b
 - There are two different house cleaning companies in Clarendville: Dirt Busters and Tidy Home. Dirt Busters charges an initial fee of \$75 and an additional \$30 per hour they spend cleaning your house. Tidy Home charges an initial fee of \$50 and an additional \$40 per hour. Both companies will charge for partial hours.
 - Write an equation for each company.
 - At what time do both companies charge the same amount to clean a house? What is the cost?
 - Write $4x - 2y = 9$ in slope y-intercept form, and state the x and y intercepts in co-ordinate form.
 - Show and explain in words why the slope of a horizontal line is zero.
 - Show and explain in words why the slope of a vertical line is undefined.
 - What is the equation of a line for the following?
 - a line which passes through $(3,4)$ and $(-1,-3)$
 -
 - $m = -2/3$; $x\text{-int} = -3$
 - $x\text{-int} = 6$; $y\text{-int} = -3$
 - $m = 3$; passes through $(4, 5)$
 - $y\text{-int} = 3/2$; slope = -2
- A coordinate plane with a line passing through the points $(2, 40)$ and $(4, 70)$. The y-intercept is marked as 10 on the y-axis.
- Sasha and her friends were thinking of renting the local banquet room for a party on New Years to ring in the new year. Sasha wanted to know how much it would cost for her and 40 of her friends to rent the room. Sasha found out that the banquet room had an initial fee of \$100.00 and a cost of \$20.00 for each person in attendance.
 - What is the slope of the situation and what does it represent?
 - What is the y-intercept of the situation, and what does it represent?
 - What is the equation of this situation written in standard form?
 - Rearrange the following equations for the subject indicated:
 - $v = (i)(t) + c$ [t]
 - $P = 2L + 2W$ [L]
 - $3x - 2y + 5 = 0$ [y]